

Title (en)
Sealless strap connection.

Title (de)
Verschlusslose Bandverbindung.

Title (fr)
Liaison d'accrochage sans fermoir, pour bande de cerclage.

Publication
EP 0016424 A1 19801001 (EN)

Application
EP 80101309 A 19800313

Priority
US 2126479 A 19790316

Abstract (en)
[origin: US4226007A] A sealless strap connection is provided between a first and second overlapped length of strap and comprises an array of longitudinally spaced joints with each joint comprising lengthwise opposed protuberances displaced from their respective planes of the overlapped lengths of strap and interlocked with each other. The protuberances on the first length of strap are longitudinally spaced in a first and second group with the protuberances of the first group equally spaced from each other and with the spacing of the adjacent protuberances of the second group progressively increased in the direction away from the first group. The protuberances on the second length of strap are longitudinally spaced in first and second groups with the protuberances of the first group equally spaced from each other and with the spacing of the adjacent protuberances of the second group progressively increasing in the direction away from the first group. The first and second group of protuberances on the first length of strap are interlocked with the second and first groups of protuberances, respectively, on the second length of strap whereby, when the connection is initially formed, the protuberances intermediate the ends of the connection interlock before the protuberances at the ends of the connection.

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IPC 8 full level
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CPC (source: EP US)
B65D 63/04 (2013.01 - EP US); **Y10T 24/1469** (2015.01 - EP US); **Y10T 24/148** (2015.01 - EP US); **Y10T 403/7152** (2015.01 - EP US)

Citation (search report)

- US 3303541 A 19670214 - BEACH JOHN R
- GB 1092460 A 19671122 - SIGNODE CORP
- US 3935616 A 19760203 - SIMMONS LARRY J

Designated contracting state (EPC)
DE GB

DOCDB simple family (publication)
EP 0016424 A1 19801001; **EP 0016424 B1 19830511**; AU 531526 B2 19830825; AU 5573880 A 19800918; BR 8001573 A 19801118; CA 1115936 A 19820112; DE 3063027 D1 19830616; IT 1215623 B 19900222; IT 8020712 A0 19800317; JP S55126112 A 19800929; MX 149274 A 19831005; NZ 193132 A 19831130; US 4226007 A 19801007

DOCDB simple family (application)
EP 80101309 A 19800313; AU 5573880 A 19800220; BR 8001573 A 19800317; CA 344053 A 19800121; DE 3063027 T 19800313; IT 2071280 A 19800317; JP 3256080 A 19800314; MX 18129680 A 19800222; NZ 19313280 A 19800314; US 2126479 A 19790316